Index of Claims

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Application/Control No.

10/078,607

Examiner

Gregory J. Strimbu

Applicant(s)/Patent under Reexamination

DIAZ-LOPEZ, WILLIAM

Art Unit

3634

Rejected Allowed

(Through numeral) Cancelled

Restricted

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Interference

Appeal Α o Objected

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|-----------------|----------|----------|------------|----------|----------|--------------|--------------|----------------|--|--|---|--------------|----------|-----------------|----------|----------|---|----------|--|--|----------------|------------------------|
| Cla             | aim      | Date     |            |          |          |              |              | 1              | Claim Da   |  |   |              |          |                 | Dat      | ata      |   |          |  |  |                |                        |
| <del>اٽ</del>   |          | -        | ī          | T        | г-'      | T            | Ť            | Ι              | 1  | П  | 1 | <del></del>  | T        | 1               |          | Г        | г.  |          | Ť  | Г  | Г              | $\Box$                 |
| <del>-</del>    | Original | 6        |            |          |          | l            |              |                |  |  |   | <del>-</del> | Original |                 |          |          |   |          |  |  |                |                        |
| Final           | ij       | 5/24/07  |            |          |          |              |              |                | ŀ  |  |   | Final        | ij       |                 |          |          |   |          |  |  |                |                        |
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|                 | 1        | 1        | <b>/</b> - | ╁        | H        | $\vdash$     | H            | $\vdash$       |  | ┢  | 1 | <u> </u>     | 51       | Н               |          | ┢┈       | $\vdash$  | -        | _  | <u> </u>   | <del> </del>   | Н                      |
| _               | 2        | í        | 1          |          |          | ┢            | t            | <del>  -</del> | -  | <del>                                     </del> |   |              | 52       | $\vdash$        |          | $\vdash$ | ┰   | _        | <del>                                     </del> | <del>                                     </del> | ┢              | Н                      |
|                 | 3        | Н        | $\vdash$   | $\vdash$ | _        | ╁            |              | T              |  | ┢  | 1 |              | 53       | Н               |          | $\vdash$ | $\vdash$  |          | H  | $\vdash$   | T              | Н                      |
| <u> </u>        | .4       | H        | <u> </u>   |          |          |              | T            |                | 1  | 1  | 1 | _            | 54       | H               |          |          | T   |          | $\vdash$   | T  | ┢              |                        |
|                 | 5        | H        | $\vdash$   |          |          |              |              | T              | _  | T  | 1 | <u> </u>     | 55       |                 |          | -        | -   | _        | $\vdash$   | $\vdash$   | Н              | П                      |
| -               | 6        | 1        |            | $\vdash$ | $\vdash$ | _            |              |                |  |  | 1 | <u> </u>     | 56       |                 |          | $\vdash$ | $\vdash$  | $\vdash$ |  | $\vdash$   | Н              |                        |
|                 | 7        | 4        |            | T        |          |              | ┢            |                | 1  |  | 1 | i            | 57       | Н               |          |          |   |          |  | $\vdash$   | $\vdash$       |                        |
|                 | 8        | 7        |            |          |          |              |              |                | T  |  |   |              | 58       | П               |          |          |   | <u> </u> |  | T  |                |                        |
|                 | 9        | W        | 厂          |          |          |              |              | T              |  |  | 1 |              | 59       | П               |          |          | Т   | Г        |  |  |                | П                      |
|                 | 10       | N        |            |          |          |              |              |                |  |  | 1 |              | 60       | П               |          | Г        | ┪   |          |  |  |                | П                      |
|                 | 11       | N        |            |          |          | П            | П            |                |  |  | 1 |              | 61       | П               |          |          |   | Г        |  |  | Г              |                        |
|                 | 12       | N        | 1          |          |          |              | Г            |                |  |  | 1 |              | 62       |                 |          |          |   |          |  |  |                | П                      |
|                 | 13       | W        |            |          |          |              |              |                |  | П  | 1 |              | 63       | П               |          |          | Г   | Γ        | T  |  |                |                        |
|                 | 14       | 7        | Г          |          | Г        |              | Г            |                | Ī  |  |   |              | 64       | П               |          |          | Г   | Г        |  |  |                | П                      |
|                 |          | 1        |            |          |          |              |              |                |  |  | 1 |              | 65       | П               |          |          |   |          |  |  | Г              |                        |
|                 | 10       | ر 'ا     |            |          |          |              |              |                |  |  |   |              | 66       |                 |          |          |   |          |  |  |                |                        |
|                 | 17       |          |            |          |          |              |              |                |  |  |   |              | 67       |                 |          |          |   |          |  |  |                |                        |
|                 | 18       |          |            |          |          |              |              |                |  |  |   |              | 68       |                 |          |          |   |          |  |  |                |                        |
|                 | 19       | i'i      |            |          |          |              |              |                |  |  |   |              | 69       |                 | -        |          |   |          |  |  |                |                        |
|                 | 20       |          |            |          |          |              |              |                |  |  |   |              | 70       |                 |          |          |   |          |  |  |                |                        |
|                 | 21       | 17       |            |          |          |              |              |                |  |  |   |              | 71       | •               |          |          |   |          |  |  |                |                        |
|                 | 22       | 10       |            |          |          |              |              |                |  |  |   |              | 72       |                 |          |          |   |          |  |  |                |                        |
|                 | 23       | J.       | L          |          |          | L            | L            |                |  |  |   |              | 73       |                 |          |          |   |          |  |  |                |                        |
|                 | 24       | Ш.       |            |          |          |              |              |                |  |  |   |              | 74       |                 |          |          |   |          |  |  |                |                        |
|                 | 25       | V        | <u> </u>   |          |          |              |              |                | ļ. <u>.</u>                                      |  |   |              | 75       |                 |          |          |   |          |  |  |                |                        |
|                 | 26       | L_       | <u> </u>   |          |          | _            | _            | <u> </u>       | L  | L  |   |              | 76       | Ц               |          |          |   |          |  |  |                |                        |
| <u></u>         | 27       |          | oxdot      |          | L_       |              | ╙            | _              |  |  |   |              | 77       |                 |          |          |   |          | <u> </u>   |  |                |                        |
|                 | 28       |          | _          |          |          | L            | _            | L              | <u> </u>   |  |   |              | 78       |                 |          |          |   |          |  |  |                | Ш                      |
|                 | 29       | Ŀ        | _          | L        |          |              | _            | <u> </u>       | <u> </u>   | _  |   |              | 79       |                 |          |          |   |          |  | _  |                | Ш                      |
| · .             | 30       |          |            |          |          | ļ            | <u> </u>     |                | <u> </u>   | L  |   |              | 80       |                 |          |          |   |          | Ш  |  |                |                        |
|                 | 31       |          |            | _        | L        |              | _            | <u> </u>       | L  | _  |   |              | 81       | Ш               | _        |          |   |          | Ш  | L.   |                | Ш                      |
|                 | 32       |          | _          | <u> </u> |          | <u> </u>     | _            | <u> </u>       | L  | _  |   |              | 82       |                 | _        |          |   |          |  | L  |                |                        |
| L               | 33       |          | <u> </u>   | $\vdash$ | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>       |  |  |   |              | 83       |                 |          |          | $ldsymbol{ld}}}}}}$ | _        | Щ  | Ц.   | <u> </u>       |                        |
| <u> </u>        | 34       | _        | _          | L        | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>       | _  | <u> </u>   |   |              | 84       | $\sqcup$        | _        |          | L   |          | L  |  | $\vdash$       | Ш                      |
| <u> </u>        | 35       | <u> </u> |            | _        | _        | $\vdash$     | <u> </u>     | _              | <u> </u>   | <b>!</b> —                                       |   |              | 85       | $\sqcup$        | _        |          | <u> </u>  |          | Щ  | $\sqcup$   | $\vdash$       | igdash                 |
| <u> </u>        | 36       | -        | <u> </u>   | <u> </u> | <u> </u> | <u> </u>     |              | ⊢              | <u> </u>   | ļ  |   |              | 86       | $\vdash$        | _        |          | L.  |          | <u> </u>   | $\vdash$   | <u> </u>       | Щ                      |
| <u> </u>        | 37       |          | $\vdash$   | $\vdash$ | $\vdash$ | <del> </del> | <u> </u>     | <del> </del>   | <del> </del>                                     | <u> </u>   |   |              | 87       |                 |          |          | <u> </u>  |          | $\vdash$   | <u> </u>   |                | $\vdash \vdash \vdash$ |
| <u> </u>        | 38       |          |            | $\vdash$ | _        | <u> </u>     | $\vdash$     | _              | <u> </u>   | ├-   |   |              | 88       | $\dashv$        | _        |          | Щ   |          |  | <u> </u>   |                | $\dashv$               |
| <u> </u>        | 39       |          | <u> </u>   | <u> </u> |          | ┞—           | ├            | -              | <del> </del>                                     | ⊢  |   |              | 89       | $\vdash$        | 4        |          | Ш   |          |  |  | Н              | $\dashv$               |
|                 | 40       |          | $\vdash$   | $\vdash$ |          | -            | <u> </u>     |                | <u> </u>   | -  |   |              | 90       | $\vdash \vdash$ |          |          | $\vdash$  | <u> </u> |  | -  | $\vdash$       | $\vdash\vdash$         |
| <u> </u>        | 41<br>42 | _        |            | $\vdash$ | _        | <del> </del> | Ŀ            | ⊢              | <del> </del>                                     | <del> </del>                                     |   |              | 91       | $\dashv$        | $\dashv$ |          | $\vdash \vdash$   | <u> </u> |  | ļ.,  | Н              | $\vdash\vdash$         |
| $\vdash$        | 42       |          | -          | Н        | _        | $\vdash$     | -            | $\vdash$       | -  |  |   | <u> </u>     | 92<br>93 | $\dashv$        |          |          | $\vdash$  | -        |  | -  | Н              | $\dashv$               |
| $\vdash\vdash$  | 44       | _        | ├          |          |          | -            | <del> </del> |                |  | <del> </del>                                     |   |              | 93       | $\dashv$        | $\dashv$ | _        |   | _        |  |  | Н              | $\vdash$               |
| $\vdash \vdash$ | 45       |          | -          | Н        | <u> </u> | $\vdash$     |              | -              | <del>                                     </del> | $\vdash$   |   |              |          |                 |          |          | $\vdash$  |          |  |  | -              | $\dashv$               |
| $\vdash$        | 46       |          | <u> </u>   | <u> </u> | -        | H            | ├-           | -              | -  |  |   |              | 95       | $\dashv$        |          |          | $\vdash$  |          |  |  | $\vdash$       | $\dashv$               |
| $\vdash$        | 47       | -        |            | Н        |          | <u> </u>     | <del></del>  | $\vdash$       |  | $\vdash$   |   |              | 96<br>97 | -               |          |          | $\vdash$  |          | $\vdash$   | _  | $\vdash$       |                        |
| <u> </u>        | 48       |          |            | $\vdash$ | -        |              | —            |                | <del> </del>                                     | $\vdash$   |   |              | 98       | $\dashv$        | _        |          | $\vdash$  | -        | -  |  | $\vdash\vdash$ | $\vdash$               |
| <del>  </del>   | 49       | -        | _          | $\vdash$ | -        | $\vdash$     | H            |                | $\vdash$   | ├  |   |              | 99       | $\dashv$        | $\dashv$ |          | $\vdash$  |          | $\vdash$   |  |                | $\dashv$               |
| <del>  </del>   | 50       |          | $\vdash$   | Н        | _        |              | <del></del>  | -              | $\vdash$   |  |   |              | 100      | $\dashv$        | -        | -        | $\vdash$  |          |  | $\dashv$   | $\vdash$       | $\dashv$               |
|                 |          | ч        | Щ          | ш        |          |              |              | L              | _  | Щ.   | l |              | 100      | 1               | 1        |          |   |          | ш  |  | ш              |                        |

|          | Claim     | Date         |  |          |                |                |          |  |                   |          |  |  |
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| Final    | T =       |              |  |          |                |                |          |  |                   |          |  |  |
| -        |           |              |  |          |                | ļ              |          |  |                   |          |  |  |
|          | 51        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 52        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 52<br>53  | П            |  |          | П              |                |          |  |                   |          |  |  |
|          | 54        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 55        |              |  |          | Γ              |                |          |  |                   |          |  |  |
|          | 56        |              |  |          |                |                |          |  |                   | ·        |  |  |
|          | 57        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 58        | _            |  |          |                | L              |          | L  |                   |          |  |  |
|          | 59        |              |  |          | <u> </u>       | L              |          |  |                   |          |  |  |
| $\perp$  | 60        |              |  |          | <u> </u>       | L              |          |  |                   |          |  |  |
|          | 61        |              |  |          |                | L              |          | L  |                   |          |  |  |
|          | 62        | _            | $oxed{oxed}$                                     | L        | L              | <u>L</u>       | _        | <u> </u>   |                   | <u> </u> |  |  |
| <u> </u> | 63        | _            | $oxed{oxed}$                                     |          | $\vdash$       | <u> </u>       | <u>L</u> | L_   | $ldsymbol{\perp}$ |          |  |  |
|          | 64        | <u> </u>     | <u> </u>   | <u> </u> | <u> </u>       | L              | <u> </u> | ـــــ  | <u> </u>          | <u> </u> |  |  |
| ļ        | 65        | <u> </u>     | <u> </u>   | L.       | ļ              | ļ              | <u> </u> | <u> </u>   | Ь                 | <u> </u> |  |  |
|          | 66        |              | _  |          | L              | L.,            | ļ        |  | <u> </u>          | <u> </u> |  |  |
| -        | 67        | <u> </u>     | _  |          | _              | <u> </u>       | ╙        |  | ļ                 |          |  |  |
| <u> </u> | 68        | ļ            | _  |          | _              |                | <u> </u> | _  | <u> </u>          |          |  |  |
| <b>—</b> | 69        | <u> </u>     | <u> </u>   | <u> </u> | <u> </u>       | _              | <u> </u> | _  |                   | _        |  |  |
|          | 70        | ļ.,          | _  | _        | ļ              | <u> </u>       | <u> </u> | <u> </u>   |                   | ╙        |  |  |
| _        | 71        | <u> </u>     | _  | <u> </u> | ļ              | <u> </u>       | _        | <u> </u>   | ļ                 | <u> </u> |  |  |
| $\vdash$ | 72<br>73  | <u> </u>     | _  | _        | <u> </u>       | _              | <u> </u> | <u> </u>   |                   | ┡        |  |  |
| ļ        | 73        | -            | ┡  | <u> </u> |                | _              | <u> </u> | <u> </u>   | _                 | <u> </u> |  |  |
| $\vdash$ | 74        |              | <u> </u>   | ⊢        | -              | <u> </u>       |          |  | -                 | L        |  |  |
| -        | 75<br>76  | _            | ⊢  | ⊢        | -              | _              | _        | $\vdash$   | -                 | -        |  |  |
| -        | 77        |              | $\vdash$   | -        | <del>  -</del> | -              | ├        | -  | -                 |          |  |  |
| $\vdash$ | 78        |              |  | ┢        | $\vdash$       | <del> </del> - |          | -  | <b>-</b>          | -        |  |  |
| $\vdash$ | 79        | _            | ┢  | -        | ┢              |                | -        | -  |                   |          |  |  |
| -        | 80        |              |  | ┢        | $\vdash$       |                | ⊢        | ┢  | -                 | $\vdash$ |  |  |
| -        | 81        | $\vdash$     |  | $\vdash$ | $\vdash$       | $\vdash$       | ┢        | -  | -                 |          |  |  |
| $\vdash$ | 82        | $\vdash$     | $\vdash$   | $\vdash$ | ┢              |                | -        | -  |                   |          |  |  |
|          | 83        | -            | _  | $\vdash$ |                | $\vdash$       | -        | <del> </del>                                     | -                 |          |  |  |
|          | 84        | <del> </del> |  | $\vdash$ | $\vdash$       | $\vdash$       | $\vdash$ |  |                   | <u> </u> |  |  |
|          | 85        | _            | <del>                                     </del> | $\vdash$ |                |                | Ι        | <del>                                     </del> |                   |          |  |  |
| $\vdash$ | 86        |              | 1  |          | $\vdash$       | <u> </u>       | $\vdash$ |  |                   |          |  |  |
|          | 87        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 88        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 89        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 90        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 91        |              |  |          |                |                |          |  |                   |          |  |  |
|          | 92        |              |  |          |                |                |          |  |                   |          |  |  |
| $\perp$  | 93        | Ш            |  | <u> </u> | L              |                | Ш        |  |                   | Ш        |  |  |
|          | 94        | L            | L  |          | <u> </u>       | $oxed{oxed}$   | Ц.       | L  |                   | Ш        |  |  |
|          | 95        | <u> </u>     | <u> </u>   | <u> </u> | _              | _              |          | Ш  | L                 | Ш        |  |  |
| <u> </u> | 96        |              | ļ  | L        | Ш              | L              | <u> </u> |  |                   | Щ        |  |  |
| <u> </u> | 97        |              |  | L.,      | Ш              | Ш              |          | ļ.   |                   | Щ        |  |  |
| $\vdash$ | 98        |              | -  |          |                | $\vdash$       | _        | -  |                   | $\sqcup$ |  |  |
| $\vdash$ | 99<br>100 |              | -  |          | Ь              |                | ļ        | Н  |                   | _        |  |  |
| 1        | 1 100     |              | 1  | 1        |                |                | 1        |  |                   | i 1      |  |  |

| Cli   | aim               | Γ        |  |  | <br>   | Date   | —<br>е                         |   |  |           |
|-------|-------------------|----------|--|--|--|--|--------------------------------|---|--|-----------|
|       |                   |          |  |  |  |  |                                |   |  |           |
| Final | Original          |          |  |  |  |  |                                |   |  |           |
|       | 101<br>102        |          |  |  |  |  |                                |   |  |           |
|       | 102               | L.       |  |  | Ť  |  |                                |   |  |           |
|       | 103               | _        | _  | $oxed{oxed}$                                     | Ш  | <u> </u>   |                                | $ldsymbol{ld}}}}}}$ |  |           |
|       | 104               | <u> </u> | <u> </u>   | ļ  | _  | <u> </u>   | <u> </u>                       | _   |  | Щ         |
|       | 105               |          | ļ  | <b>!</b>   | ļ  | <u> </u>   | <u> </u>                       | _   | _  | Ш         |
|       | 106<br>107        |          | ├-   | ┡  | <u> </u>   | ┢  | -                              | ┡   | ļ.   |           |
|       | 107               | _        | ⊢  | ├  | -  | ⊢  | -                              | $\vdash$  | <del>  .</del>                                   | Н         |
|       | 109               | -        | ┝  | <del>                                     </del> | $\vdash$   |  | -                              | -   | -  | Н         |
|       | 110               |          | $\vdash$   | i  | -  | <del>                                     </del> |                                |   | $\vdash$   | Н         |
|       | 111               |          |  | ┢  | <del>                                     </del> |  |                                | Т   | _  |           |
|       | 112               |          | <del>                                     </del> | $\vdash$   |  | Г  |                                |   | $\Box$   |           |
|       | 111<br>112<br>113 |          |  |  |  |  |                                |   |  |           |
|       | 114               | $\Box$   | <u> </u>   |  |  | oxdot  | $oxedsymbol{oxedsymbol{oxed}}$ | L   |  |           |
|       | 115               | <u> </u> | <u> </u>   | <u> </u>   |  | _  | _                              | <u>L</u>  |  | Щ         |
|       | 116<br>117        | <u> </u> | _  | ┞  |  | _  | _                              | L   | <u> </u>   | ļļ        |
|       | 11/               | _        | ⊢  | <del> </del>                                     |  | -  | -                              | ļ   | <u> </u>   |           |
|       | 118<br>119        | ┝        | ├  |  | _  | _  | -                              | ⊢   | ├  |           |
|       | 120               |          | ⊢  | -  | -  | -  | $\vdash$                       | -   | -  |           |
|       | 121               | -        | ├  | $\vdash$   | $\vdash$   | $\vdash$   | ┝                              | ├   | -  | -         |
|       | 122               |          | $\vdash$   | $\vdash$   | -  | <del>                                     </del> | $\vdash$                       |   | $\vdash$   | $\vdash$  |
|       | 122<br>123        |          |  |  | $\vdash$   | $\vdash$   | $\vdash$                       |   | <del>                                     </del> | $\vdash$  |
|       | 124               |          |  | Г  | $\vdash$   | $\vdash$   | _                              |   |  |           |
|       | 125               |          |  |  |  |  |                                |   |  |           |
|       | 125<br>126<br>127 |          | ·  |  |  |  |                                |   |  |           |
|       | 127               |          | _  | <u> </u>   | <u> </u>   | _  | _                              | _   | <u> </u>   |           |
|       | 128<br>129        | _        | _  | ļ  |  | <u> </u>   | <u> </u>                       |   | <u> </u>   | Ш         |
|       | 130               |          |  | -  | _  |  | <u> </u>                       | ┝   |  | -         |
|       | 131               |          |  | -  |  | ⊢  | $\vdash$                       | ⊢   | <u> </u>   | $\vdash$  |
|       | 132               |          |  | -  |  | $\vdash$   |                                | ┝   |  | $\dashv$  |
|       | 133               | _        | -  |  | _  | _  | $\vdash$                       | ┢   |  | $\dashv$  |
|       | 134               | _        |  | T  | _  | _  |                                | $\vdash$  |  | $\dashv$  |
|       | 135               |          |  |  |  |  |                                |   |  |           |
|       | 136               |          |  |  |  |  |                                |   |  |           |
|       | 137               |          |  |  |  |  |                                |   |  |           |
|       | 138               |          |  |  |  | L.   |                                |   |  | Щ         |
|       | 139<br>140        |          | ļ  |  |  |  |                                | L   |  | $\square$ |
|       | 141               |          | $\vdash$   |  | -  | -  |                                |   | H  |           |
|       | 142               |          |  |  |  | H  |                                |   |  | $\dashv$  |
|       | 143               |          | Н  | $\vdash$   |  | $\vdash$   | Н                              |   | Н  | $\vdash$  |
|       | 144               |          |  | Н  |  | Н  | -                              |   | Н  | $\dashv$  |
|       | 145               |          |  | П  |  | П  |                                |   | $\vdash$   | $\dashv$  |
|       | 146               |          |  |  |  |  |                                |   |  | $\neg$    |
|       | 147               |          |  |  |  |  |                                |   |  |           |
|       | 148               |          |  |  |  |  |                                |   |  |           |
|       | 149               |          |  | L.J  |  |  |                                |   |  | ]         |
|       | 150               |          |  |  |  | Ц  | لـــا                          |   |  |           |